

TGAAGTCTCTCCCAAGCAAATGGGAGCTTCTTTGGACCTTGGAGCACACAGAGGATTCTACTTTCTTTAAACTTTGTT 80

TTCAGGCAATTTCCCTGAGAACCGTTTACTTCCAGAAGATTGGTGGAGCTTGATCTGAAGGCTGGCCATGAAATCTCAAG 160

M K S Q

GTC AACATTGGTATCCAGTTCAGATAAAACTGTAAAGTGAGCTTTCGTGAGAAGCTTCTGATTATTGATTCAAACCTG 240

G Q H W Y S S S D K N C K V S F R E K L L I I D S N L

GGGGTCCAAGATGTGGAGAACCTCAAGTTTCTCTGCATAGGATTGGTCCCCAACAAGAAGCTGGAGAAGTCCAGCTCAGC 320

G V Q D V E N L K F L C I G L V P N K K L E K S S S A

CTCAGATGTTTTGAACATCTCTTGGCAGAGGATCTGCTGAGTGAGGAAGACCCCTTCTTCTGGCAGAACTCCTCTATA 400

S D V F E H L L A E D L L S E E D P F F L A E L L Y

TCATACGGCAGAAGAAGCTGCTGCAGCACCTCAACTGTACCAAAGAGGAAGTGGAGCGACTGCTGCCACCCGACAAAGG 480

I I R Q K K L L Q H L N C T K E E V E R L L P T R Q R

GTTTCTCTGTTTAGAAACCTGCTCTACGAACTGTGAGAAGGCATTGACTCAGAGAACTTAAAGGACATGATCTTCTTCT 560

V S L F R N L L Y E L S E G I D S E N L K D M I F L L

GAAAGACTCGCTTCCCAAACTGAAATGACCTCCCTAAGTTTCTGGCATTCTAGAGAAACAAGGTAAAATAGATGAAG 640

K D S L P K T E M T S L S F L A F L E K Q G K I D E

ATAATCTGACATGCCTGGAGGACCTCTGCAAAACAGTTGTACCTAACTTTTGAGAAACATAGAGAAATACAAAAGAGAG 720

D N L T C L E D L C K T V V P K L L R N I E K Y K R E

AAAGCTATCCAGATAGTGACACCTCCTGTAGACAAGGAAGCCGAGTCGTATCAAGGAGAGGAAGAACTAGTTTCCCAAC 800

K A I Q I V T P P V D K E A E S Y Q G E E E L V S Q T

*Fig. 1A*

AGATGTTAAGACATTCTTGAAGCCTTACCGAGGGCAGCTGTGTACAGGATGAATCGGAACCACAGAGGCCTCTGTGTCA 880  
D V K T F L E A L P R A A V Y R M N R N H R G L C V  
TTGTCAACAACCACAGCTTTACCTCCCTGAAGGACAGACAAGGAACCCATAAAGATGCTGAGATCCTGAGTCATGTGTTC 960  
I V N N H S F T S L K D R Q G T H K D A E I L S H V F  
CAGTGGCTTGGGTTACAGTGCATATACACAATAATGTGACGAAAGTGGAATGGAGATGGTCCTGCAGAAGCAGAAGTG 1040  
Q W L G F T V H I H N N V T K V E M E M V L Q K Q K C  
CAATCCAGCCCATGCCGACGGGGACTGCTTCGTGTTCTGTATTCTGACCCATGGGAGATTTGGAGCTGTCTACTCTTCGG 1120  
N P A H A D G D C F V F C I L T H G R F G A V Y S S  
ATGAGGCCCTCATTCCCATTCGGGAGATCATGTCTCACTTCACAGCCCTGCAGTGGCCTAGACTGGCTGAAAAACCTAAA 1200  
D E A L I P I R E I M S H F T A L Q C P R L A E K P K  
CTCTTTTTCATCCAGGCCTGCCAAGGTGAAGAGATACAGCCTTCGGTATCCATCGAAGCAGATGCTCTGAACCCTGAGCA 1280  
L F F I Q A C Q G E E I Q P S V S I E A D A L N P E Q  
GGCACCCACTTCCCTGCAGGACAGTATTCTGCCGAGGCTGACTTCCTACTTGGTCTGGCCACTGTCCAGGCTATGTAT 1360  
A P T S L Q D S I P A E A D F L L G L A T V P G Y V  
CCTTTCGGCATGTGGAGGAAGGCAGCTGGTATATTCACTCTGTGTGAATCATCTGAAGAAATTGGTCCCAAGACATGAA 1440  
S F R H V E E G S W Y I Q S L C N H L K K L V P R H E  
GACATCTTATCCATCCTCACTGCTGTCAACGATGATGTGAGTGAAGAGTGGACAAACAGGGAAACAAAGAAACAGATGCC 1520  
D I L S I L T A V N D D V S R R V D K Q G T K K Q M P  
CCAGCCTGCTTTCACACTAAGGAAAAAACTAGTATTCCTGTGCCCTGGATGCACTTTCAATATAGCAGAGAGTTTTTG 1600  
Q P A F T L R K K L V F P V P L D A L S I  
NTGGTTCTTAGACCTCAAACGAATCATTGGGNTATAACCTCCAGCCTCCTGCCAGCACAGGAATCGGTGGTCTCCACCTG 1680  
TCATTCTAGAAACAGGAAAC 1700

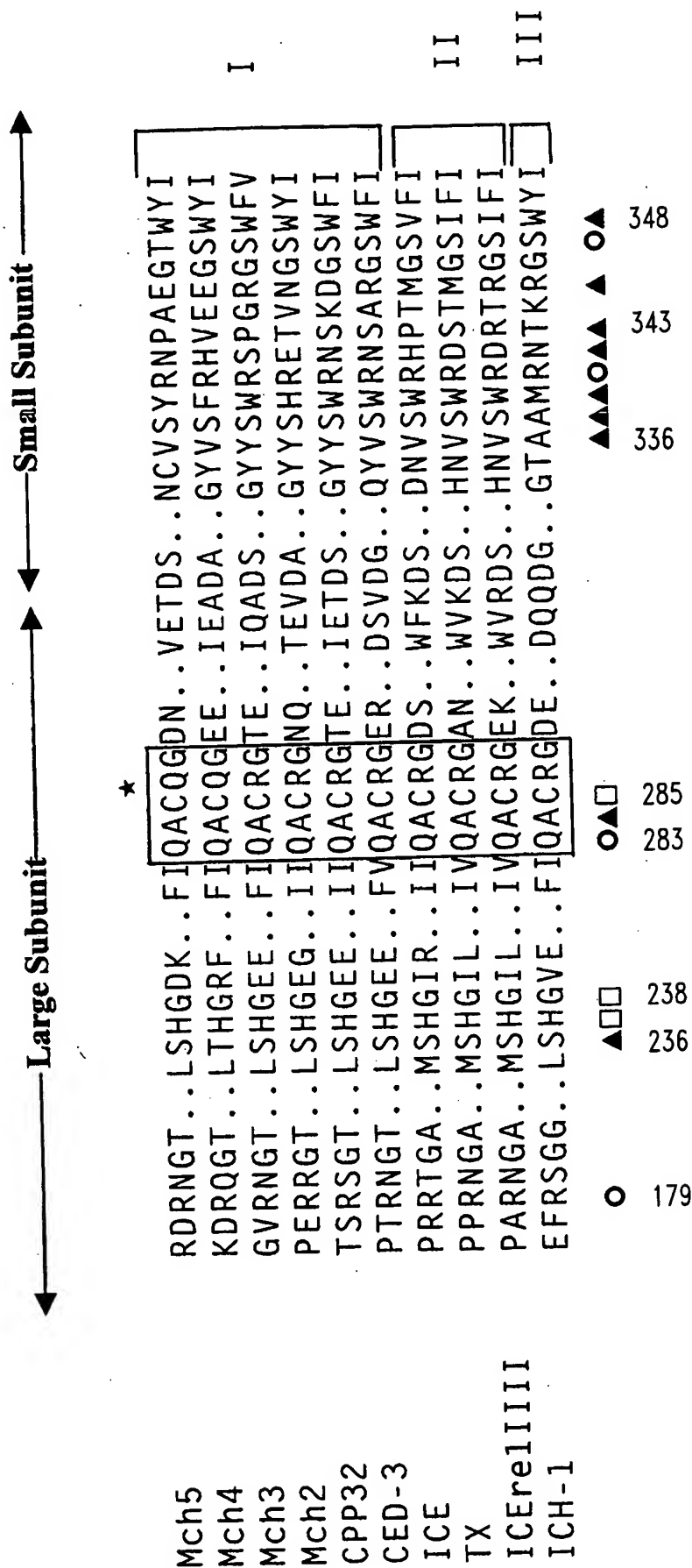
*Fig. 1B*

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TGGGCACGTGAGGTTGGGCCTTGGCCGCTGAGCCCTTGAGTTGGTCACTTGAACCTTGGGAAATATTGAGATTATATTCT 240  
CCTGCCTTTTAAAAAGATGGACTTCAGCAGAAATCTTTATGATATTGGGGAACAACCTGGACAGTGAAGATCTGGCCTCCC 320  
M D F S R N L Y D I G E Q L D S E D L A S  
TCAAGTTCTGAGCCTGGACTACATTCCGCAAAGGAAGCAAGAACCCATCAAGGATGCCTTGATGTTATTCCAGAGACTC 400  
L K F L S L D Y I P Q R K Q E P I K D A L M L F Q R L  
CAGGAAAAGAGAATGTTGGAGGAAAGCAATCTGTCCTTCTGAAGGAGCTGCTCTTCCGAATTAAGACTGGATTGCT 480  
Q E K R M L E E S N L S F L K E L L F R I N R L D L L  
GATTACCTACCTAAACACTAGAAAGGAGGAGATGGAAGGGAACCTCAGACACCAGGCAGGGCTCAAATTTCTGCCTACA 560  
I T Y L N T R K E E M E R E L Q T P G R A Q I S A Y  
GGTTCACCTTCTGCCGCATGAGCTGGGCTGAAGCAAACAGCCAGTGCCAGACACAGTCTGTACCTTTCTGGCGGAGGGTC 640  
R F H F C R M S W A E A N S Q C Q T Q S V P F W R R V  
GATCATCTATTAATAAGGGTCATGCTCTATCAGATTTCAGAAGAAGTGAGCAGATCAGAATTGAGGTCTTTTAAGTTTCT 720  
D H L L I R V M L Y Q I S E E V S R S E L R S F K F L  
TTTGCAAGAGGAAATCTCAAATGCCAACTGGATGATGACATGAACCTGCTGGATATTTTCATAGAGATGGAGAAGAGGG 800  
L Q E E I S K C K L D D D M N L L D I F I E M E K R  
TCATCCTGGGAGAAGGAAAGTTGGACATCCTGAAAAGAGTCTGTGCCCAAATCAACAAGAGCCTGCTGAAGATAATCAAC 880  
V I L G E G K L D I L K R V C A Q I N K S L L K I I N  
GACTATGAAGAATTCAGCAAAGGGGAGGAGTTGTGTGGGTAATGACGATGTCGGAAGTGTCCAAGAGAACAGGATAGTGA 960  
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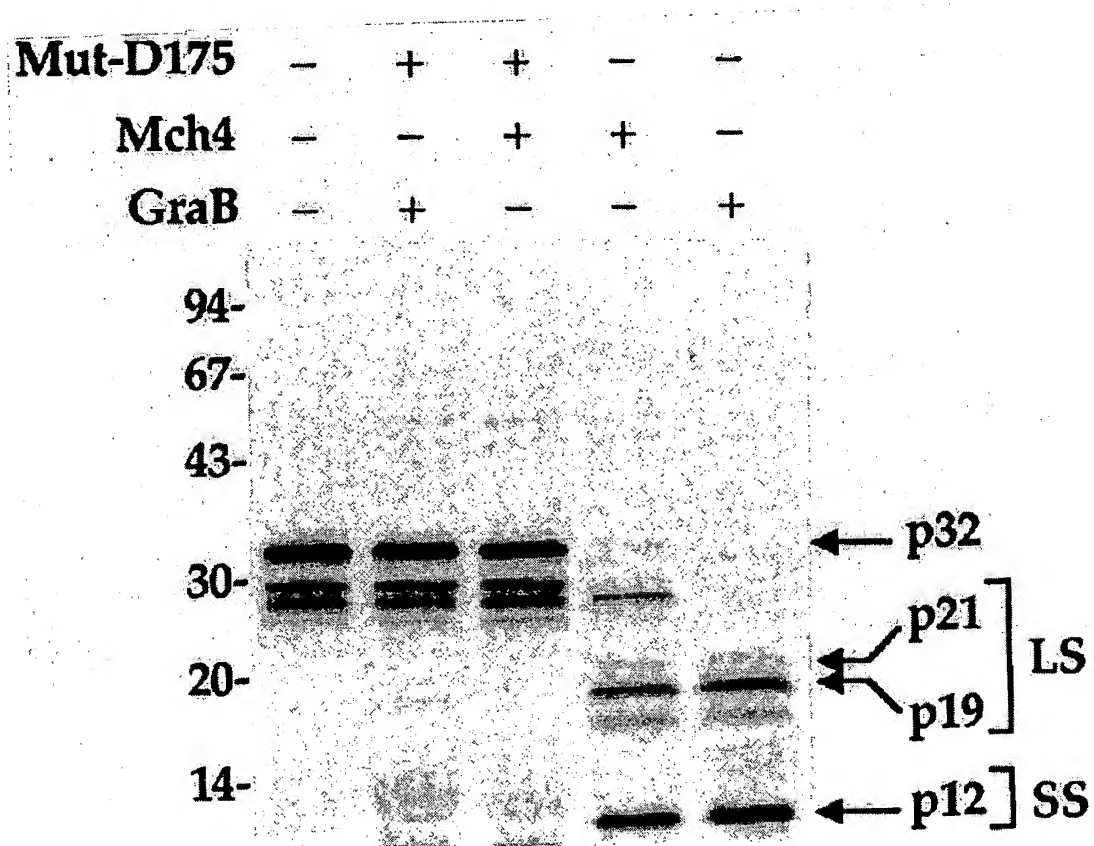
*Fig. 2A*

*Fig. 2B*

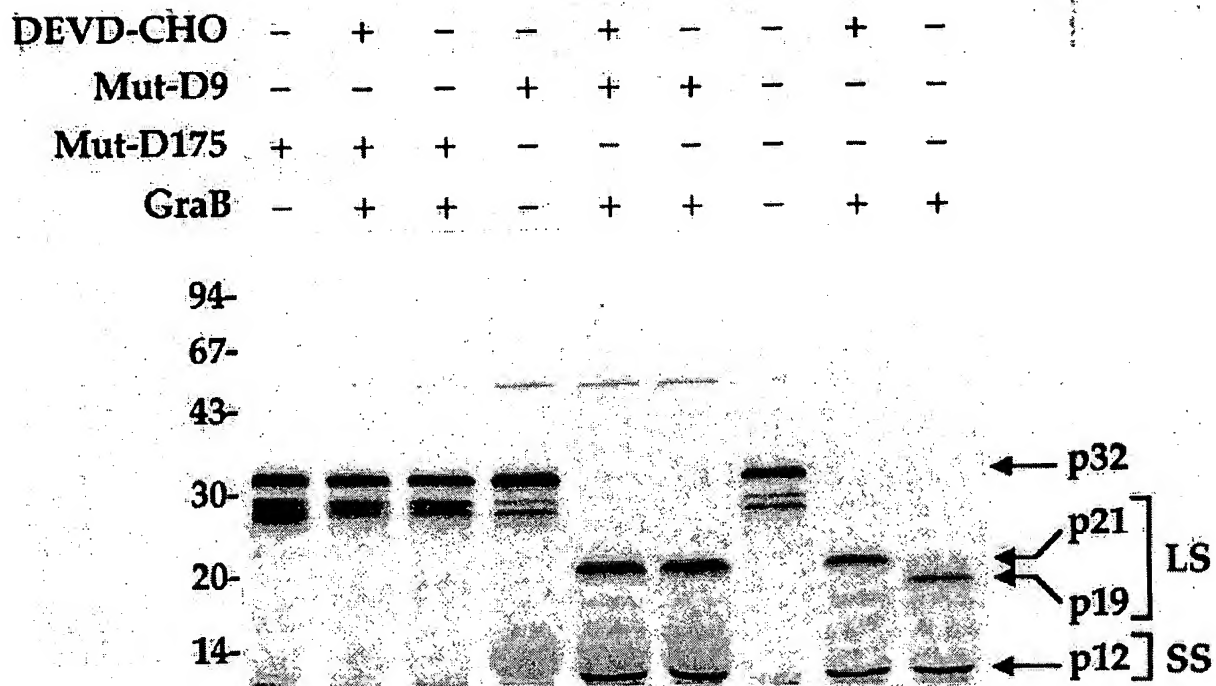




*Fig. 3B*

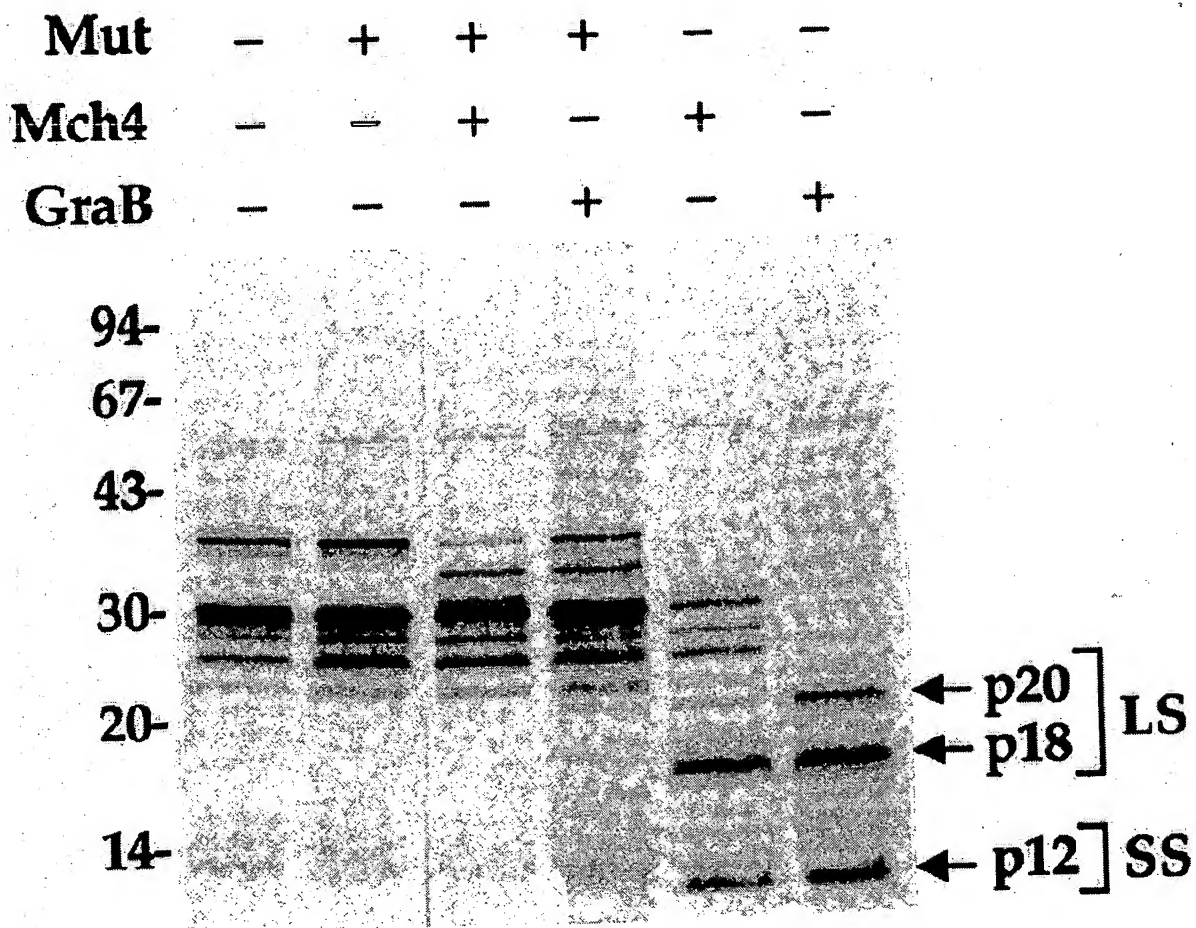


*Fig. 4A*

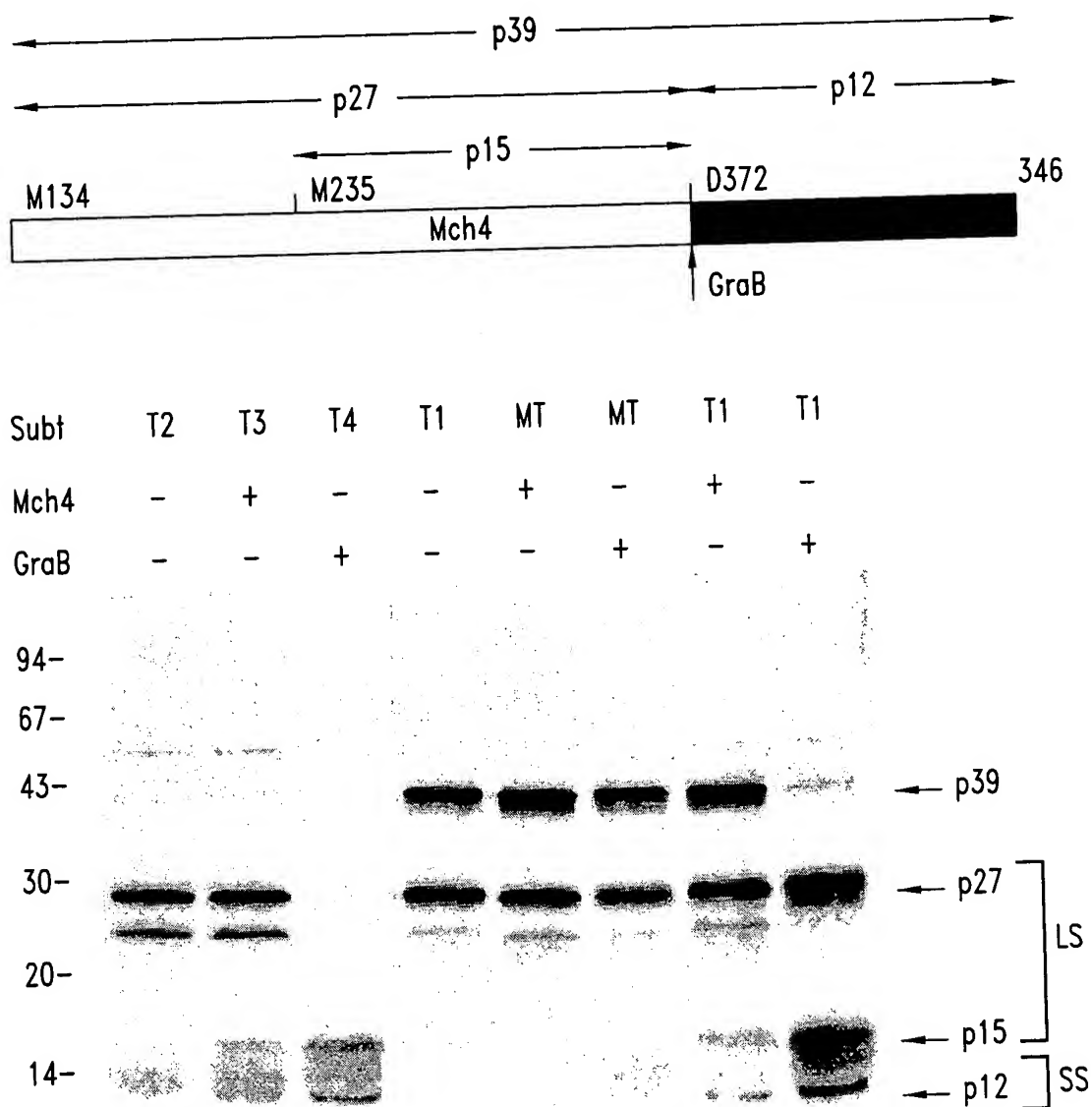


*Fig. 4B*

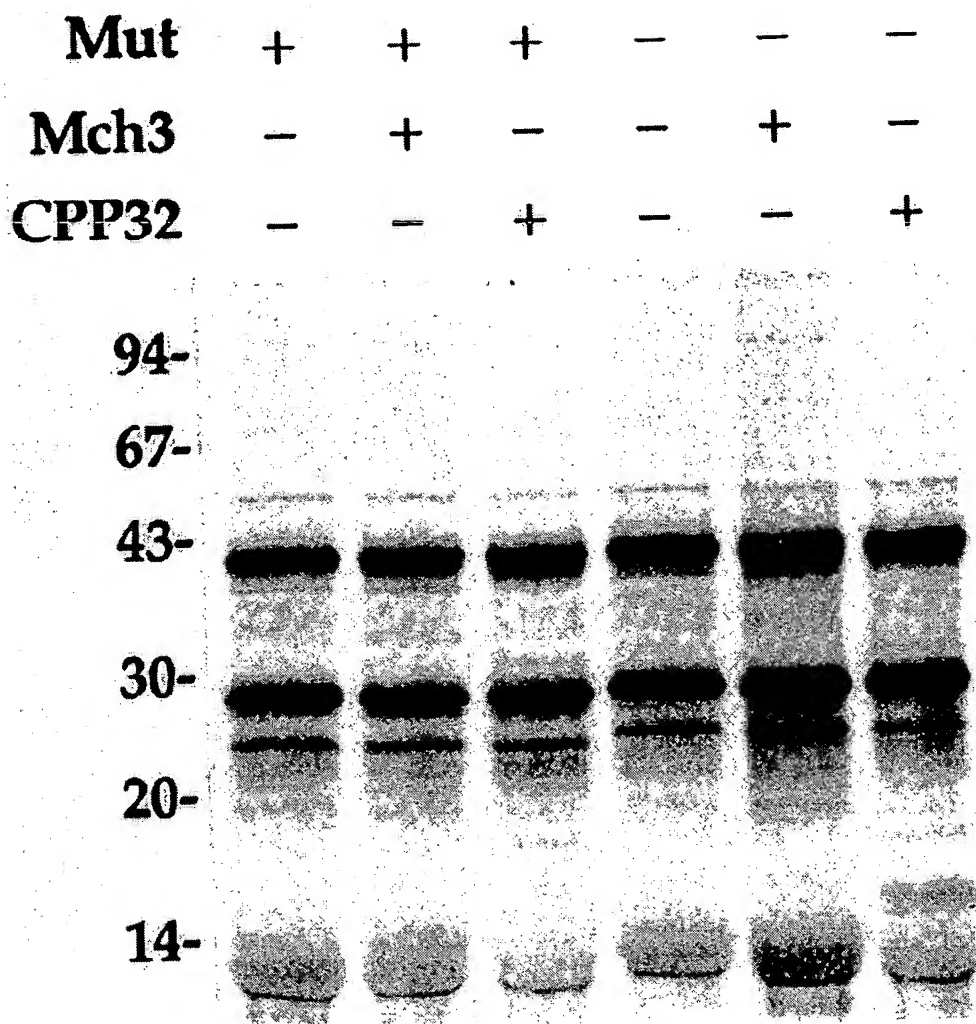




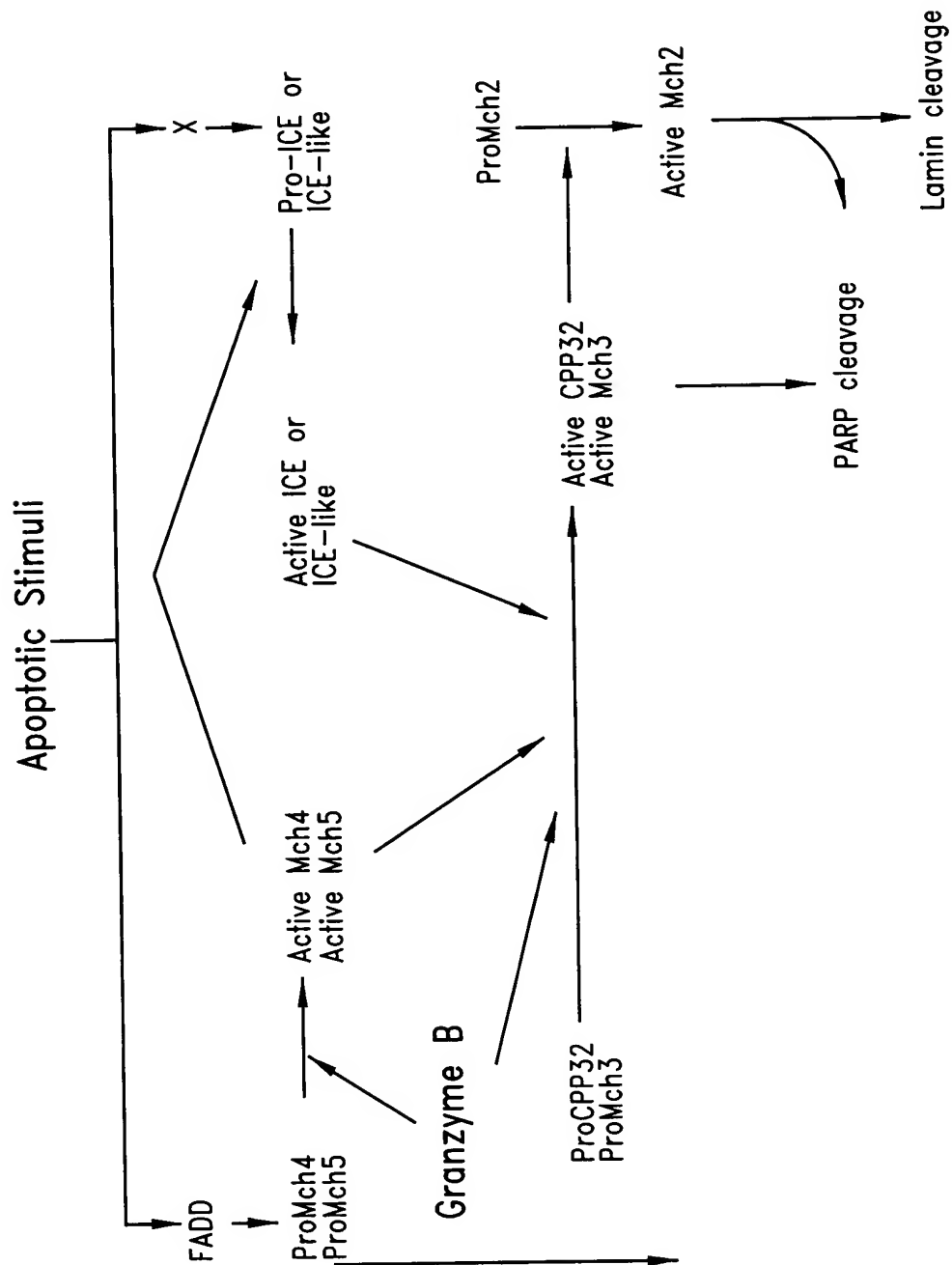
*Fig. 5A*



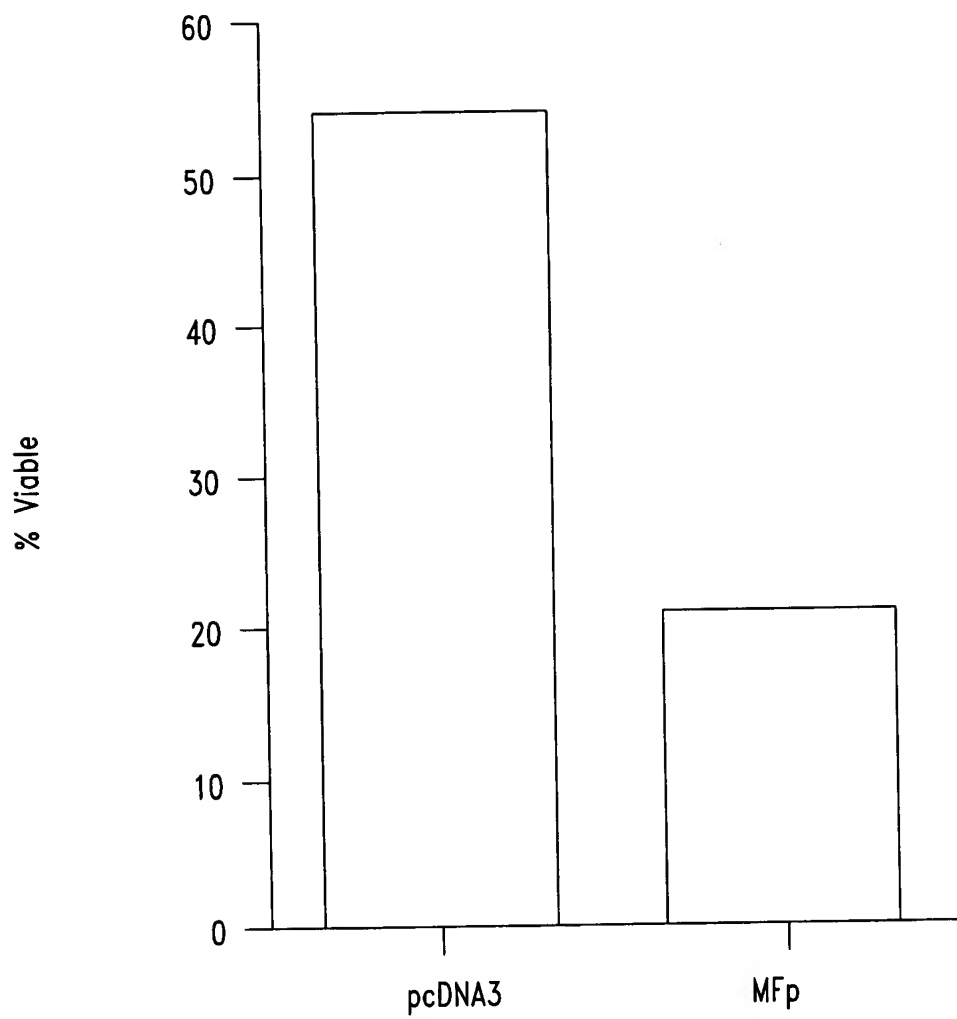
*Fig. 5B*



*Fig. 6*



*Fig. 7* Apoptotic phenotype



*Fig. 8*